

CLAIMS

1. Portable lighting lamp (10) comprising an emitting module (ME) equipped with at least one light-emitting diode (11) for emitting a light beam, a fixing and connecting
5 element (12) of said diode, and means for adjusting the light beam,
characterized in that the adjustment means comprise at least one optical focussing device (15) able to be moved manually by means of a mobile support (17) between an inactive position situated outside the light emission field of the diode and an active position facing the diode (11) to make the visualization angle of the
10 light beam vary.
2. Lighting lamp according to claim 1, characterized in that the optical focussing device (15) is integrated in a transparent support to form a monoblock part.
- 15 3. Lighting lamp according to claim 1 or 2, characterized in that the optical focussing device (15) is formed by at least one lens (16).
4. Lighting lamp according to claim 3, characterized in that the lens (16) is a Fresnel lens.
- 20 5. Lighting lamp according to claim 1 or 2, characterized in that the optical focussing device (15) is formed by at least one magnifying glass.
6. Lighting lamp according to claim 3, characterized in that the mobile support (17) comprises a plurality of lenses (16) corresponding to the same number of diodes
25 (11).

7. Lighting lamp according to claim 1, characterized in that the mobile support (17) is bistable to obtain broad lighting with a short range or narrow lighting with a long range.
- 5 8. Lighting lamp according to claim 1, characterized in that the mobile support (17) is formed by a swivelling plate (26) mounted pivoting around a spindle (18) extending orthogonally with respect to the diode (11).
9. Lighting lamp according to claim 8, characterized in that the plate (26) of the optical
10 focussing device (15) bears in the inactive position on a fixed rim (27) of the casing (28) housing the lamp.
10. Lighting lamp according to claim 1, characterized in that the mobile support (17) is
15 formed by a rotary knob (23) able to rotate on an end-part (24) of the fixing element (12).
11. Lighting lamp according to claim 9, characterized in that the rotary knob (23) is able
to be moved axially on the end-part (24) to make the axial distance d arranged
between the end of the knob (23) and a stop (25) of the fixing element (12) vary
20 causing continuous adjustment of the angle of the lighting cone of the beam emitted by the diode (11).
12. Lighting lamp according to claim 1, characterized in that the mobile support (17) of
the optical focussing device (15) is formed by a rack (33) mounted sliding in
25 grooves (29) of the casing (28) and moving in a plane perpendicular to the light beam.

13. Lighting lamp according to claim 12, characterized in that the rack (33) of the optical focussing device (15) is formed by an interchangeable part having a preset focal distance.
- 5 14. Lighting lamp according to claim 12 or 13, characterized in that the rack (33) is protected by a removable cap (34) able to be slotted into the casing, and enabling the rack (33) to slide between the withdrawn position and the apparent position.
- 10 15. Lighting lamp according to claim 1, characterized in that the emitting module (ME) comprises a light-emitting diode (11) connected at the rear on a heat sink (31) and associated at the front to a magnifying glass (30).